

CLAIMS

1. A fertiliser composition comprising at least one phosphonate and at least
5 one thiosulphate.
2. A fertiliser composition according to claim 1 wherein the phosphonate is
selected from the group consisting of ammonium, sodium, potassium phosphonate
and a mixture thereof.
- 10 3. A fertiliser composition according to claim 1 wherein the thiosulphate is
selected from the group consisting of ammonium, sodium, potassium thiosulphate
and a mixture thereof.
- 15 4. A fertiliser composition according to claim 1 further comprising at least one
selected from the group consisting of salicylic acid, a homologue, a derivative, and a
salt thereof.
- 20 5. A fertiliser composition according to claim 4 wherein the derivative of
salicylic acid is selected from the group consisting of salicylamide and a salt thereof.
6. A fertiliser composition according to claim 4 wherein the homologue of
salicylic acid is selected from the group consisting of benzoic acid, a salt and
derivative thereof.
- 25 7. A fertiliser composition according to claim 4 wherein the salt is selected
from the group consisting of an organic and inorganic salt.
8. A fertiliser composition according to claim 4 wherein the salt is selected
30 from the group consisting of a sodium, potassium salt and mixtures thereof.

9. A fertiliser composition according to claim 1 in the form of a concentrate.
10. A fertiliser composition according to claim 1 in the form of an aqueous
5 solution.
11. A fertiliser composition according to claim 10 comprising 150 g/l phosphonate, 275 g/l thiosulphate and optionally 10 g/l salicylamide.
- 10 12. A fertiliser composition according to claim 10 wherein the phosphonate comprises 75 g/l mono-potassium phosphonate and 75 g/l di-potassium phosphonate.
13. A fertiliser composition according to any claim 1 further comprising a plant
15 growth regulator.
14. A fertiliser composition according to claim 13 wherein the plant growth regulator is chlormequat.
- 20 15. A fertiliser composition according to any claim 1 further comprising a nutrient.
16. A fertiliser composition according to claim 1 further comprising a nutrient selected from the group consisting of nitrogen, phosphorus, potassium, calcium,
25 magnesium, sulfur, boron zinc, copper and mixtures thereof.
17. A fertiliser composition according to claim 1 further comprising a vitamin.
18. A fertiliser composition according to any claim 1 further comprising a
30 vitamin selected from the group consisting of niacin, d-Biotin, riboflavin, ascorbic

acid, thiamine mononitrate, thiamine hydrochloride, pyridoxine hydrochloride and folic acid.

19. A fertiliser composition according to claim 1 further comprising a growth promoter.
20. A fertiliser composition according to claim 1 further comprising a growth promoter selected from the group consisting of cytokinins, purines, gibberellins and auxins.
21. A fertiliser composition according to claim 1 further comprising an amino acid.
22. A fertiliser composition according to claim 1 further comprising an amino acid selected from the group consisting of alanine, arginine, aspartic acid, betaines, choline, cysteine, glutamic acid, glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, serine, threonine, tryptophan, tyrosine and valine.
23. A fertiliser composition according to claim 1 further comprising a carbohydrate.
24. A fertiliser composition according to claim 1 further comprising a polysaccharide.
25. A fertiliser composition according to claim 1 further comprising a carbohydrate selected from the group consisting of alginic acid, mannitol, laminarin, succinic acid, sorbitol, fructose, sucrose, dextrose, lactose and mixtures thereof.

26. A fertiliser composition according to claim 1 further comprising an adjuvant.
27. A fertiliser composition according to claim 1 further comprising an adjuvant
5 selected from the group consisting of alcohol ether sulfates, alcohol sulfates, alkylaryl ether sulfates, alkylaryl sulfonates, carboxylated nonionics, naphthalene, sulfonates, phosphate esters, sulfonic acids, sulfosuccinates, terpenes, alcohol ethers, alkoxyated alkylphenol resins, alkoxyated vegetable oils, esterified seed oils, alkylphenol ethers, block co-polymers, sorbitol, sorbitan alkoxyates and sorbitan
10 esters, alkanolamides, amine ethoxylates, methyl esters of fatty acids, fatty acid alkyloxalates and fatty acid resins, terpene, and mixtures thereof.
28. A method for fertilising a plant comprising applying a fertiliser composition according to claim 1 to the plant or its environs.
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29. A method according to claim 28 wherein the phosphonate is applied at 150 g/ha to 2 kg/ha.
30. A method according to claim 28 wherein the thiosulphate is applied at 250
20 g/ha to 6 kg/ha.
31. Use of a fertiliser composition according to claim 1 to stimulate plant growth.
32. Use of a fertiliser composition according to claim 1 to control parasitic fungi.
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